

1096-20-1936

Jingyin Huang* (jingyin@cims.nyu.edu), Courant Institute of Mathematical Sciences, New York University, 251 Mercer Street, New York, NY 10012. *Quasi-isometry rigidity for right-angled Artin group with finite outer automorphism group*. Preliminary report.

Let G_1 and G_2 be two right-angled Artin groups and assume $Out(G_1)$ is finite, we show one can tell whether G_1 is quasi-isometric to G_2 by looking at their Tits boundaries. In particular, if $Out(G_2)$ is also finite, then G_1 and G_2 are quasi-isometric iff they are isomorphic. (Received September 16, 2013)